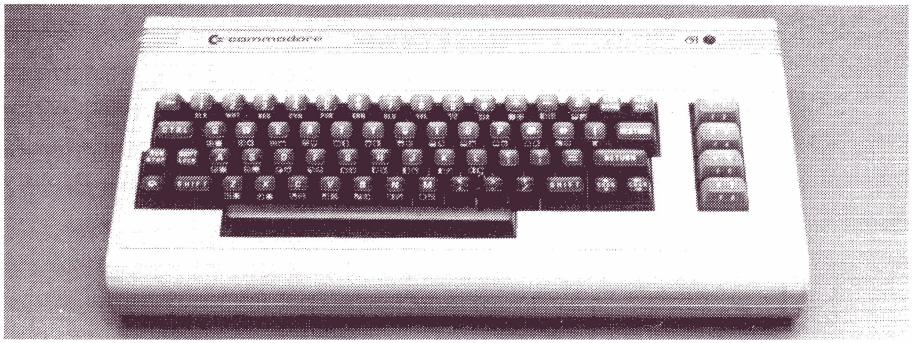
commodore 64

FROM THE LEADING MANUFACTURER OF A FULL RANGE OF DESKTOP COMPUTERS:



- Established almost a quarter of a century ago, Commodore is an international company specializing in high technology.
- Commodore is the only computer manufacturing company in the world that produces a full range of microcomputers from home and personal units right up to complete business work stations.
- Commodore is the only personal computer company that manufactures its own microprocessors – the "heart" of all personal computers. As a result Commodore's computer system is more affordable.
- Commodore's proprietary MOS 6500 family of microprocessors are so technologically advanced and reliable they are used in many competitive systems.
- With over two million computers sold worldwide, Commodore is proven for performance and reliability.

commodore COMPUTER

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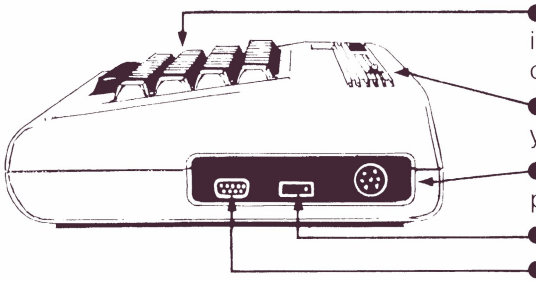
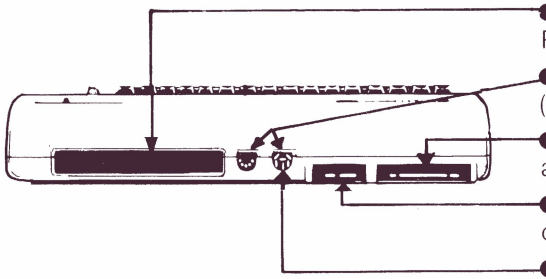
HOW TO CONNECT YOUR C64

Welcome to computing! The following step-by-step instructions show you how to unpack the 64, connect it to your television set and make sure it's working properly.

Let's begin by taking a quick look at the '64:



- **KEYBOARD** (Used to type information and instructions into the computer)
- **POWER LIGHT** (Glows when your 64 is turned on)
- **POWER CORD SOCKET** (attach power supply here)
- **ON/OFF SWITCH**
- **GAME PORTS** (for joystick and other game control devices)



- **EXPANSION PORT** (64 Program cartridges plug in here)
- **RF SOCKET & VIDEO PORT** (For connecting to TV set or monitor)
- **USER PORT** (For special accessories)
- **CASSETTE PORT** (Tape cassette goes here)
- **SERIAL PORT** (For special accessories like printer, disk drive,etc.)

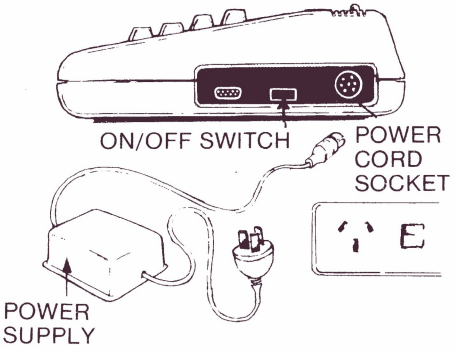
1: Check the contents of your 64 container. You should find the following items:

- 64 Personal Computer
- Power Supply (large box with 2 cords coming out of it)
- Coaxial cable with plugs

2: You will need 2 *electrical outlets* (sockets) – one for the 64 and one for your television set.

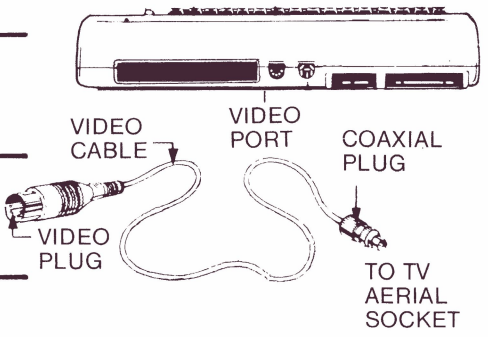
3: Position the 64 *and television set* so that you can use the keyboard comfortably while viewing the television screen . . . ideally, a tabletop or desk.

4: Find the *ON/OFF switch* on the right hand side of the 64. Make sure it's in the "OFF" position.



5: There are two cords coming out of the power supply box. Plug the power *supply cord* into the electrical outlet and plug the other cord into the power cord socket on the side of the 64.
NOTE: The power supply remains on while plugged in so you should unplug it when not in use.

6: Connect the phono plug of the RF cable to the RF socket on the back of the 64.



7: Connect the coaxial plug of the RF lead to the UHF aerial socket of your TV set.

8: Turn on the TV set and select UHF on the tuner.

9: Turn on the 64 (the red power light on the top of the computer should come on). If the power light does not glow, consult the accompanying chart.

10: Tune the television until a sharp image is obtained. This should be between channel 30 – 40. Here is what you should see on the screen – sometimes it takes a second or two to activate. If you don't get the following display on your screen, turn the computer off, wait a few seconds and turn it on again.

11: Adjusting the colour and tint/hue depends on the colour controls provided on your television set – naturally, sets with better controls yield better colour. Some sets show some colour better than others.

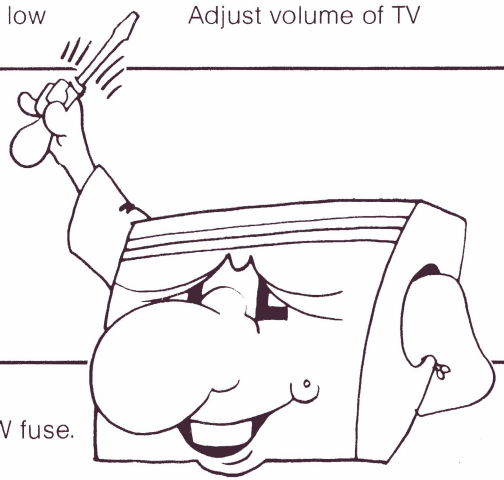
12: If you have trouble with any of these steps, consult the accompanying troubleshooting chart.

NOW YOU ARE READY TO START USING THE C64

NOTE: You can use a monitor instead of a television set – in which case you can go directly from the 64 to the monitor with an appropriate cable.

TROUBLE SHOOTING CHART

SYMPTOM	CAUSE	REMEDY
NO PICTURE (POWER LIGHT OFF)	64 not "on"	Make sure power switch is in "on" position
	64 not plugged in	Check power socket next to power switch
	Power supply not plugged in	Check connection with wall outlet
	Bad fuse in power supply	Replace power supply fuse
NO PICTURE (POWER LIGHT ON)(Try turning 64 off for a few seconds, then back on)		
	TV on wrong channel	Check Channel for picture
	Incorrect hookup	64 hooks up to the "UHF" socket on TV (the aerial socket)
	Bad fuse in 64	Replace fuse in 64. Should only be performed by authorised agent.*
PICTURE WITHOUT COLOUR	Poorly tuned TV	Retune TV
PICTURE WITH POOR COLOUR	Bad colour adjustment on TV (see "picture without colour")	Adjust colour/hue/brightness controls on TV
PICTURE WITH EXCESS BACKGROUND NOISE	TV volume too high (see "picture without colour")	Adjust volume of TV
PICTURE OK BUT NO SOUND	TV volume too low	Adjust volume of TV



*The 64 uses a 1 amp SLOW BLOW fuse.

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